## INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/009962

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. The invention in which a tubular blank is placed inside a rotating frame and a forming blade is pressed to be in contact with the inner diameter side of a tubular-blank peripheral wall (novel).  2. The invention in which a tubular blank is placed outside a rotating frame and a forming blade is pressed to be in contact with the outer diameter side of a tubular-blank peripheral wall (not novel).
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/009962

Int.Cl <sup>7</sup> B21D15/06, 22/16, 51/12, B60	DB21/00, 21/12, B60C17/0	4		
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by o Int.Cl <sup>7</sup> B21D15/00, 15/04-15/06, 22/1 B60B21/00, 21/12, B60C17/04	classification symbols) 14-22/18, B21D51/00-51/5	4,		
	itsuyo Shinan Toroku Koho oroku Jitsuyo Shinan Koho	1996-2004 1994-2004		
		· 		
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category* Citation of document, with indication, where a	• •	Relevant to claim No.		
Y. annexed to the request of Ja Model Application No. 151135 No. 61321/1987) (Mineji TANAKA), 16 April, 1987 (16.04.87), Claims; page 5, line 14 to p page 7, line 15 to page 8, 1 1 to 3 (Family: none)	(Mineji TANAKA), 16 April, 1987 (16.04.87), Claims; page 5, line 14 to page 6, line 9; page 7, line 15 to page 8, line 12; Figs. 1 to 3 (Family: none)  JP 2002-282949 A (Toyoda Machine Works, Ltd.), 02 October, 2002 (02.10.02),			
Further documents are listed in the continuation of Box C.  * Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search	See patent family annex.  "T" later document published after the inte date and not in conflict with the applicate the principle or theory underlying the in "X" document of particular relevance; the considered novel or cannot be considered to expend the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the "&" document member of the same patent for the patents of mailing of the international search.	ation but cited to understand evention laimed invention cannot be dered to involve an inventive laimed invention cannot be step when the document is documents, such combination art amily		
07 October, 2004 (07.10.04)  Name and mailing address of the ISA/	26 October, 2004 (2			
Japanese Patent Office	Authorized officer			
Facsimile No. Form PCT/ISA/210 (second sheet) (lanuary 2004)	Telephone No.			

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/009962

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 6-190477 A (Hiraoka Kinzoku Kogyo Kabushiki Kaisha), 12 July, 1994 (12.07.94), Claims; page 3, lower left column, lines 2 to 4; Figs. 1 to 8 (Family: none)	1,4-9,14
A	JP 9-276967 A (Kabushiki Kaisha Kubota Tekkosho), 28 October, 1997 (28.10.97), Claims; Figs. 8 to 10 (Family: none)	1,4-9,14
A	JP 57-184534 A (Goshi Kaisha Kanemitsu Doko Yosetsusho), 13 November, 1982 (13.11.82), Claims; page 4, upper left column, line 3 to lower left column, line 1; Figs. 1 to 10 (Family: none)	6,7
<b>A</b>	JP 1-166826 A (Jun'ichi KATAYAMA), 30 June, 1989 (30.06.89), Claims; Figs. 1 to 4 (Family: none)	1-3
А	JP 9-201625 A (Denso Corp., Denso Kiko Kabushiki Kaisha), 05 August, 1997 (05.08.97), Claims; Figs. 1 to 12 (Family: none)	1-3
P,A	JP 2004-66284 A (Bridgestone Corp.), 04 March, 2004 (04.03.04), Claims; Figs. 1 to 10 (Family: none)	13,18
	•	
	÷	
÷		

Form PCT/ISA/210 (continuation of second sheet) (January 2004)